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09/353,316	07/14/99	MACOR	J MACORS

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EXAMINER

APPIAH, C

ART UNIT	PAPER NUMBER
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2682

DATE MAILED:

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Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.
09/353,316

Applicant(s)

Macor

Examiner
Charles Applah

Group Art Unit
2682



☒ Responsive to communication(s) filed on Oct 2, 2000

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 35 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire three month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claim

☒ Claim(s) 1-22 is/are pending in the application

Of the above, claim(s) _____ is/are withdrawn from consideration

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) 1-22 is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☒ None of the CERTIFIED copies of the priority documents have been
☐ received.

☐ received in Application No. (Series Code/Serial Number) _____.

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

— SEE OFFICE ACTION ON THE FOLLOWING PAGES —

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DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-22 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 112

2. Claims 19 and 20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Applicant recites the limitation "said workstation" on line 2 of claim 19. There is insufficient antecedent basis for this limitation in the claim. (For examination purposes examiner is replacing this limitation with "said computer base station").

Claim Rejections - 35 USC § 103

3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
4. Claims 1, 2, 8, and 9 are rejected under 35 U.S.C. 102(e) as anticipated by **Nguyen (5,797,089)** or, in the alternative, under 35 U.S.C. 103(a) as obvious over **Nguyen (5,797,089)**.

With respect to claim 1, Nguyen discloses an integrated computer and mobile communication system (with reference to FIG. 3), comprising:

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a computer base station (31),

a mobile device (31) containing a wireless telephone unit (see col. 5, lines 23-38) and a personal organizer unit (inherent feature of PDA unit 31 being able to perform functions such as calculator, agenda, clock, notepad and editors, col. 5, lines 39-45), including a display screen (see col. 3, lines 64-65), and a data transfer system for transferring data from the computer base station to the mobile device (mobile data interface unit 34 being used to transfer data directly between the PDA unit and the telephone unit without the use of a modem, col. 4, lines 32-35). Nguyen's teaching of the PDA unit being able to perform functions such as AGENDA . . . , col. 5, lines 39- 45, read on the claimed schedule and the availability of the PDA alphanumeric keyboard 24 (col. 4, lines 7-22) as well as the function keys depicted in FIG. 1 read on the access function keys, otherwise it would be obvious to one of ordinary skill in the art to have function keys available for easy access to the other functions of the PDA such as agenda, notepad and editors).

With respect to claim 2, Nguyen further discloses a keyboard for entering organizer information (see col. 4, lines 7-22), and a monitor for displaying organizer information (see col. 3, lines 64-65).

With respect to claim 3, Nguyen further discloses that the mobile device comprises a mobile handset (see FIG. 1).

With respect to claim 8, Nguyen further discloses that the mobile device further comprises a hinged cover located over the display screen (see FIG. 2).

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With respect to claim 9, Nguyen further discloses a switch operatively associated with the hinged cover for on-off controlling the display screen (see col. 3, lines 56-63).

Claim Rejections - 35 USC § 103

5. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

6. Claims 4-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Nguyen** as applied to claim 3 above, and further in view of **Henderson (6,035,214)**.

Regarding claim 4, Nguyen fail to specifically disclose that the base station comprises a cradle for receiving the handset. In a similar field of endeavor Henderson discloses a computer integrated with a telephone in which the the telephone handset can be mounted in a cradle (see col. 3, line 66 to col. 4, line 35).

It would therefore have been obvious to one of ordinary skill in the art to combine the above teaching of Henderson with the system of Nguyen for the benefit of ergonomically incorporating the telephone into the layout of the computer or personal digital assistant for integrated or modular operation as desired.

Regarding claim 5, Nguyen fail to specifically disclose that the cradle includes nodes for charging the handset and in which the nodes form part of the data transfer system. Henderson discloses a computer integrated with a telephone in which the the telephone handset can be

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mounted in a cradle and the cradle include nodes for charging the handset and the nodes form part of the data transfer system (see col. 4, lines 18-35, FIG. 4).

Regarding claim 6, Nguyen further discloses (with reference to FIG. 3), a radio frequency transmitter (radio TX) including an antenna (see antenna 15, FIG. 1), and inherently transferring data using the radio transmitter (feature of PCT being utilized as a wireless data terminal to send and receive messages (see col. 6, lines 16-19).

Regarding claim 7, Nguyen further discloses that the data transfer system comprises an antenna (see col. 4, line 3, line 65 to col. 4, line 6).

7. Claims 10, 11, 13, 14 and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Nguyen (5,797,089)** in view of **Duncan et al. (5,825,873)**.

With respect to claim 10, Nguyen discloses a mobile communication handset (FIG. 1), the handset comprising a personal organizer unit (inherent feature of PDA unit 31 being able to perform functions such as calculator, agenda, clock, notepad and editors, col. 5, lines 39-45), and a display screen (see col. 3, lines 64-65). Nguyen's teaching of the PDA unit being able to perform functions such as AGENDA, col. 5, line 41, read on organizer access and the availability of the PDA keyboard 24 reads on organizer data access keys (col. 4, lines 7-22), otherwise it would be obvious to one of ordinary skill in the art to have function keys available for easy access to the other functions of the PDA such as agenda, notepad and editors). Nguyen further discloses the capability of mobile data interface unit 34 being used to transfer data directly between the PDA unit and the telephone unit without the use of a modem (see, col. 4, lines 32-

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35), but fail to specifically disclose performing the organizer data transfer remotely from the base station to the organizer while the handset is remote from the base station. In a similar field of endeavor, Duncan discloses an interface for exchanging data between a host and an accessory item including remote implementation of the data path (see col. 2, lines 10-20, col. 7, lines 14-28). It would therefore have been obvious to one of ordinary skill in the art to incorporate the above teaching of Duncan with the system of Nguyen for the benefit of providing remote control capability for mobile device users.

With respect to claim 11, Nguyen further discloses that the wireless telephone unit comprises an alphanumeric keypad (see col. 4, lines 7-8), and function keys (see SEND, END, PWR, RCL, STO, MENU, ALPHA, MEM of FIG. 1).

With respect to claim 13, Nguyen inherently discloses that the organizer comprises a display screen (feature of PDA unit 31 being able to perform functions such as calculator, agenda, clock, notepad and editors, col. 5, lines 39-45), and also having a display screen (see col. 3, lines 64-65).

With respect to claim 14, Nguyen inherently discloses the organizer unit comprising a memory device and the personal organizer software being stored in the memory device (feature of PDA unit 31 being able to perform functions such as calculator, agenda, clock, notepad and editors, col. 5, lines 39-45) and the PDA unit including read only memory (ROM) for storing application programs, col.4, line 59 to col. 5, line 9).

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With respect to claim 15, Nguyen further discloses (with reference to FIG. 3), a radio frequency unit (radio TX and radio RX), operatively connected to the memory device (ROM 41, RAM 42), but fail to specifically disclose it is for receiving digital organizer data. However, since Duncan discloses an interface for exchanging data between a host and an accessory item including remote implementation of the data path (see col. 2, lines 10-20, col. 7, lines 14-28), those of ordinary skill in the art would have appreciated combining the above teaching of Duncan with the system of Nguyen for the benefit of providing remote control capability for mobile device users including transferring or downloading any desired data.

8. Claims 12 and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Nguyen** and **Duncan et al** as applied to claim 10 above, and further in view of **Charlton (5,929,774)**.

With respect to claims 12 and 22, Nguyen as modified by Duncan fail to specifically an audible alert notification feature activatable from the base station and in which the audible alert notification feature is activated by a pre-scheduled event from the organizer data. In an analogous field of endeavor, Charlton discloses a combination electronic pager, organizer and radio that includes an audible alert notification feature (alarm 66, FIG. 4) which is activated by a pre-scheduled event from the organizer data (see col. 5, lines 53-63, col. 6, lines 35-42). It would therefore have been obvious to one of ordinary skill in the art to combine the teaching of Charlton with the system of Nguyen and Duncan for the benefit of providing desired notification for scheduled events such as personal schedules or appointments.

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9. Claims 16-20 are rejected under 35 U.S.C. 102(e) as anticipated by **Nguyen (5,797,089)** or, in the alternative, under 35 U.S.C. 103(a) as obvious over **Nguyen (5,797,089)** in view of **Uchikura (5,337,346)**.

Regarding claim 16, Nguyen discloses a communication s and personal organizer method, that comprises the steps of:

inherently anticipating inputting organizer into a computer base station , (an alphanumeric keyboard for use with the PDA, col. 4, lines 7-8, col. 4, lines 40-42),

transmitting organizer data from a computer base station to a personal organizer unit (mobile data interface unit 34 being used to transfer data directly between the PDA unit and the telephone unit without the use of a modem, col. 4, lines 32-42), located in a mobile handset (PDA unit being able to perform functions such as AGENDA, col. 5, lines 39- 45, read on personal scheduling information, and using the handset for wireless telephone communication (closing the two halves of the PCT and using it as an ordinary wireless telephone, col. 5, lines 65-67). In the alternative, Nguyen read on all the limitations of claim 16 except specifically inputting organizer data into the computer base station. Uchikura discloses a portable telephone apparatus equipped with an electronic notebook function with the capability of inputting or entering data as well as controlling the function of the electronic notebook (see col. 3, lines 26-45, col. 5, line 56 to col. 6, line 9). It would therefore have been obvious to one of ordinary skill in the art to combine the teaching of Uchikura with the system of Nguyen for the benefit of storing desired data such as personal organizing data for later retrieval and display when desired.

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Regarding claim 17, Nguyen further discloses an alpha-numeric personal computer keypad (see col. 4, lines 7-8, col. 4, lines 40-42), thus anticipating the step of inherently inputting organizer data via a keyboard connected to the base station.

Regarding claim 18, Nguyen further discloses the step of inherently transferring organizer data from the mobile handset (see col. 4, lines 40-42).

10. Claims 19 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Nguyen** as applied to claim 16 above, and further in view of **Henderson (6,035,214)**.

Regarding claim 19 and 20, Nguyen fail to specifically disclose that the transmitting step occurs while the handset is located in a cradle or removed from the cradle associated with said computer base station. In a similar field of endeavor Henderson discloses a computer integrated with a telephone in which the the telephone handset can be mounted in (or removed from) a cradle and data exchanged over cordless or IR interface (see col. 3, line 66 to col. 4, line 35). It would therefore have been obvious to one of ordinary skill in the art to combine the above teaching of Henderson with the system of Nguyen for the benefit of ergonomically incorporating the telephone into the layout of the computer or personal digital assistant for integrated or modular operation as desired.

Regarding claim 21, Nguyen further inherently discloses retrieving the personal scheduling information from the personal organizer unit using function keys located on the mobile handset (feature of function keys as shown in FIG. 1).

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Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Gerszberg (5,297,192), discloses an apparatus for remotely programming a mobile data telephone.

Hillenmayer (5,719,936), discloses a combination mobile telephone and notebook with display.

Bartholomew et al. (5,978,591), discloses a personal information device with downloading capability from

Ditzik (5,983,073), discloses a modular notebook and PDA computer system.

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles Appiah whose telephone number is (703) 305-4772. The examiner can normally be reached on M-F from 7:30AM to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vivian Chang, can be reached on (703) 308-6739.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900. The Group fax numbers are (703) 308-6306 and (703) 308-6296.

Serial Number: 09/353,316

CA
Charles Appiah

December 2, 2000.



12/4/00

NGUYEN T. VO
PRIMARY EXAMINER